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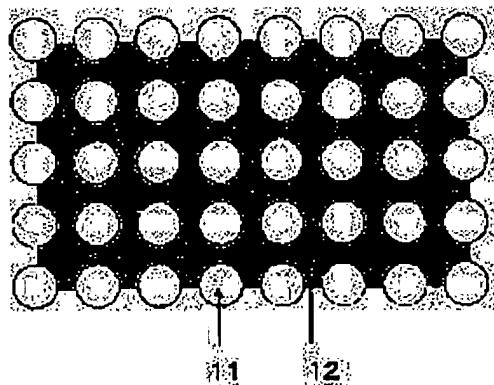
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## (54) MAGNETIC LOSS MATERIAL, METHOD OF MANUFACTURING THE SAME AND HIGH-FREQUENCY CURRENT SUPPRESSION BODY USING THE MATERIAL

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a magnetism loss material of superior high-frequency magnetic loss characteristic which is very effective in rejecting high-frequency conduction noise of a fine electronic circuit integrated in high density, such as a semiconductor integrated circuit element, and to provide a method of manufacturing the same and a high-frequency current suppressing body using it.

SOLUTION: This magnetic loss material comprises M (M is one of Fe, Co, and Ni, or their mixture), X (X is an element other than M and Y, or their mixture), and Y (Y is one of F, N, and O, or their mixture). A maximum value  $\mu''$  max of a loss item  $\mu''$  of the magnetic loss material is in a frequency range of 100 MHz-10 GHz, and the half-value width of  $\mu''$  50 that standardizes the frequency band where the  $\mu''$  50 is not less than 50% with respect to the  $\mu''$  max by using the center frequency which is within 200%.



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